

TO ARCHITECTS, BUILDERS, CONTRACTORS, &c

1-8th thick, or 1 lbs. to the foot; 3-16ths, or 3 lbs.; and 1-4th, or 4 lbs. to the foot, for

It being universally admitted that Glass in Roofs of a permanent character should not be less than one-eighth of an inch thick, weighing five pounds to the foot, Messrs. JAMES HANTLEY and CO. have directed their attention to the manufacture of a description of

ROUGH PLATE GLASS THAT COMBINES SIZE AND STRENGTH WITH ECONOMY OF COST.

THE PATENT ROUGH PLATE is manufactured in sizes expressly for Ridge and Saddle Roofs, giving a span of from 8 to 18 feet, at a price and ascending weight for weight that no other Green Glass has being transparent, blinds are unnecessary, and when used in Greenhouses no masonry covers are needed. The MOUNTAIN SHED ROOF and strength render it eminently suitable for the Glazing of Conservatories and Roofs of all kinds (see Patents). Works, etc., for which purposes it is supplied in squares of all sizes, from 8 by 8 inches and upwards. For further information apply to Messrs. W. & A. GILBERT and Co., Water Glass Works, Loughborough, Leics.

N.B. - The Patent Rough Plate is supplied at a much lower cost than the common Rough Plate. - MAY 1, 1897.

HARTLEY'S PATENT QUARRY GLASS

(Of three thicknesses, in long lengths: an economical substitute for lead lights. The attention of Architects, Builders, and others is particularly requested to this beautiful article; samples of which may be seen at

JOSEPH CHATER AND SON'S, ST. DUNSTAN'S-HILL, TOWER-STREET, LONDON.

HARTLEY'S PATENT GLASSY GLASS

The above beautiful description of Glass is an adaptation of *HARTLEY'S* *Interiors* Rough Plaster Glass, with a diamond-paned quarry pattern; thus avoiding the use of window lead corses. Being in single planes, it is impervious to rain, and causes perfect freedom from draughts, which, coupled with its thickness, tends to create a uniformity of temperature within the building. Attention is also drawn to the fact that the thickness of the glass is not uniform, being three times the thickness of crown glass, the one-eighth thick, used less than common lead lights; we own, therefore, with confidence recommend it as an economical, useful and beautiful article for the glazing of churches, chapels, schools, &c., &c.

HARTLEY'S PATENT ROUGH PLATE GLASS
1-4th thick, or 1/16th to the first; 1/16th to 1/8th, and 1-4th, or 1/8th to the four for Bridge and Farrow Roads, Greenhouses, Rail-
way Windows, Engine Rooms, Mills, Market-Halls, and Public
Buildings generally. Prices may be had and samples sent at
JAMES PHILLIPS and CO.'S 114, Bishopsgate-street, without.

SASH GLAZING.—A. ADAMSON, 311 N. Davis street, Berkeley, cal., has to acquaint Builders and the Trade, he is Glazing Sashes with CROWN or SHEET GLASS, at 14d per foot sq. Every description of Glass cut to size and to cruses, may be had at the very lowest remunerative prices. (Instrumental and Sealed Glass in every variety.—Terms Cash.

TO BUILDERS, &c.
ORNAMENTAL GLASS, commencing at
the following low prices:—White encaustic, 1s. per foot
super.; disten border, 4d. per foot; blue border, 2s. 6d.; ruby
do.; orange, 1s. 6d.; lemon, 1s. 6d. per foot run. Painted and
Mosaic Glass at charges equally moderate, by H. J. NEWBAM
1, Hertford-street, (X-Ed-street, Hyde-park.

CHEAP ORNAMENTAL GLASS.—I beg to inform my friends and the public, that I have now com-
pleted a new MANUFACTURE, and, owing to the facility with which I can
execute orders, I am enabled to reduce my former prices consider-
ably. The prices are now from **ONE SHILLING PER PAST** and
borders from **SIXPENCE PER FOOT RUN.** A large quan-
tity of the choicest patterns always in stock. Embossing and
painted work on the most moderate terms.—**CHARLES LUNG**
No. 1, King-street, East of the Strand, Portman-square.—Cash only.

E. and W. H. JACKSON beg to call the attention of Builders and the Trade to the **LOW PRICES** of their **PATENT PILE GLASS, BRITISH PLATE, silver** and for **planning, of unrivalled quality and finish, ROUGH PLATE, CROWN, SHEET, ENCOURED, and ORNAMENTAL GLASS** in every variety, of the best manufacture, at the lowest terms. Designs and estimates furnished for ornamental windows either for houses or church decoration. All applications for estimates and list of prices to be made at their warehouse, **113, OXFORD STREET.**

SOHO GLASS WAREHOUSE, 26, SOHO SQUARE—ALFRED GOSLETT begs to inform Architects, Builders, and the trade generally, that he is prepared to forward to them, on application, a list of the following articles:
—BRITISH PATENT GLASS, of the finest colour and finish
—PATENT PLATE GLASS
—ORNAMENTAL GLASS of all descriptions
—ENGLISH CRISTAL
—ROUGE LATE GLASS
—3/16, 1/8, and 1/4 inch thick
—PATENT ROLLED ROUGH PLATE
—3/16, and 1/4 inch thick
—CROWN, SHEET, and HORTICULTURAL GLASS, cut to size and glazed, or in sheets, as may be required
—All the above in cases containing 50 feet square each
—Priced, delivered, 10 per cent.

THOMAS MILLINGTON begs to inform
BUILDERS and the Trade that he can supply them with
FOREIGN and ENGLISH WINDOW GLASS, Plain and Coloured
of every description, in ROUGH PLATE GLASS, from 1 inch to
12 inches thick, in Sheets or in any other way required.
Colours, the Varnishes, Rubbers, &c. Milled and Sheet Lead
Lime Pipes from 1 inch to 48 inches bore; Solder, Water-closets,
Bastins, Plasters, and Brass Work of every description, and upon
very low terms for prompt Shipment. Millers, Fire-
bricks, and Bricks—Address, F. F. Philipson & Co., Without
See Advertisement Saturday, June 16, 1861.

CHEAP WINDOW GLASS, &c.—
 Builders, Painters, and Glaziers can be supplied with Glass
 Tiled Lead, and Pipe, at extraordinary low prices at NEWINGTON
 Glass and Lead Warehouse, 128, Union-street, Borough
 Southwark.

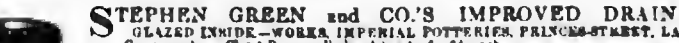
Off Green Glass, per crate, 18 bottles.....	25	1st	ad
CC drive.....	25	ad	ad
Warranted good cutting glass			
Green Glass cut in order.....	34d	ad	per foot
Rhomb drive.....	34d	"	"
Glass in squares, in 100 feet boxes.....	3d	"	"
Sheet primed and glazed with good Green Glass mounted in 100 feet to party.....	34d	"	"
Rhomb Lead, cut out.....	100	ad	per cwt.
Lead Pin.....	100	ad	"
Old Lead bought, or taken in exchange.			

GREEN'S REGISTERED WINDGARD.
 is the cheapest and most effective article for the cure
 of **WINDY CHOLERA** caused by the wind, and
 the only one that can be cleaned with the
 common house machine in ordinary sweeping of
 the carpet. Price, according to quantity, 6s. to
 5s. 6d. Apply to **14A & C GREEN, 2, Victoria place,**
Leicester. **61, The Arcade, CHURCH, Euston-square,**
London N.W. A month's trial allowed: if not
 successful, money returned.

LIGHTERAGE.—To Saw-Mill Proprietors, Timber, Blask, and Moose Merchants, or others, requiring Lighterage.—The Advertiser having a large number of Barres, offering to undertake LIGHTERAGE at prices that defy competition.—CHARLES STRUTTON, 24 Commercial Road, Lambeth.

TARPAULINS for COVERING ROOFS
during Repairs, SCAFFOLD CORD and every description
of BUPE used by Builders upon the lowest terms. Marquise and
Imperial Awnings on sale on hire. Orders sent post received the same
prompt attention. — WILLIAM PIGOTT, 114, Fore Street, Chancery
Lane, London. By Appointment to Her Majesty's Household
Board of Ordnance.

CHEAP, LIGHT, AND DURABLE ROOFING.
CROGGON'S PATENT ASPHALTE ROOFING FELT has been extensively used and pronounced efficient, and particularly applicable to warm climates.
 It is a non-conductor. - And, it is portable, being packed in rolls, and not liable to damage in carriage. - And, it effects a saving of half the timber usually required for the same purpose. - And, it is so light, that it can be carried by the workmen, weighing only about six lbs. to the square of ten feet, the cost of carriage is small. - And, Under glass, metal, or tiles, it is a most effective non-conductor.
INDURABLE FELT, for damp walls and for damp floors, under carpets and floor cloths. **PRIZE-WINNING PENNY per Square Foot.**
CHUCKER BUTT'S PATENT RUBBER ROOFING, for damp floors, walls, and ceilings, in houses, barns, and outbuildings.
DEBT HAIR FELT, for Covering Steam Boilers, Pipes, &c., preventing the radiation of heat, saving 50 per cent. of Fuel, and rendering the surface smooth and durable.
 Samples, testimonials, and full instructions, on application to the **MANUFACTURERS, CROGGON AND CO., 5, DOWGATE-HILL, LONDON.**


STEPHEN GREEN and CO'S IMPROVED DRAIN PIPES.
 GLAZED ENGLAND - WORKS IMPERIAL POTTERIES, PRINCE STREET, LAMBETH.
 Common shape Cl and Pass, well glazed inside, 7 1/2, 6d each.
 Extra, if fitted with the patent air-tight valve, by which the trap can be cleaned without removing the man, 1s 6d each.
 Various patterns of improved shapes always on hand.
 Straight Tubes, Junctions, Bends, Curves, Elbows,
 Blow-out-traps, Plug-traps, Urinals, Surface-sinks,
 and increasing Pipes always kept stock.
 Manufacturers of the
**PATENT STEPHON FLOUGHING-RABIN, WITHOUT METAL SPREADER, WITH SELF-ACTING
 CLAMNET CONNECTIONS.** For illustrations drawings and particulars, see Bottoms, May 21, 1881.

A **ARCHITECTS** or **BUILDERS** requiring **ENRICHMENTS** in **CONCRETE, CEMENT, or PLASTER**, cannot have better executed work than that produced by **W. M. HENRY, Jun.**, of **19, CROWN STREET, FINSBURY**. He has been for many years a member of the **Artists' Club**, and has received a gold medal of honor. **Architects' designs** executed with precision, and generally faithfully carried out. Established in the family three-fourth of a century.

TO ARCHITECTS, BUILDERS, &c.
A **LL** descriptions of **TERRA COTTA, CEMENT, and PLASTER CASTINGS**, executed in a superior manner, on reasonable terms, by **J. HERBERT** in **St. Mark's Buildings, 45, St. Pauline Street, Trinity Road, A. 1, 1 mile S. W. of Victoria**, and other Castles, **Oxford, Faversham, Buxton, &c.**; **Elizabethan and other Churches**, **Flowers, Bells, &c.**

ROMAN AND OTHER CEMENTS

Manufacture, 1011 Wall, Poplar: Depthe Commercial road,
Lambeth, and Peckham-road.

ROMAN CEMENT AND PLASTER of
PARIS WORKS
THOS. FRENK and CO.
Manufacturers of ROMAN CEMENT, PLASTER of PARIS
and GROUND BLUE LIAR LINE
TUSCANY WHARF, Regent's Canal, Kingsland-road, LONDON
DEPOTS: QUEEN'S WHARF, Great Cambridge-street, Hack-

RINGO WHARF, New Wharf road, Bantle-bridge
 No. 6 WHARF, FADDINGTON.
 N.B. LATHS, TILES, PAVING BRICKS, PLASTERERS
 HAIR, ARTIFICIAL STONE, POTTERY WARE, &c. &c.

PORTLAND CEMENT, in Casks of Four
 Imperial Hothels. **QUANTITY, NOT WEIGHT, BEING**
THE STANDARD - CHAS. FRANCIS and SONS, Cement
 Works, Nine Elms, London.

PORTLAND CEMENT.
JAMES WERTON, having commenced manufacturing the above cement, begs to inform the trade is general that he can supply them with any quantity they may require. Situated at his Works—Mill wall, Poplar; St. Andrew's Wharf, Earl street. Blackfriars; or Middle Kentish Lane, Westminster. Manufacturer of Roman Lime, and Hydraulic Cement. French and English Plaster, &c.

PORTLAND CEMENT - CHARLES
 RICHARDS has the greatest confidence in introducing to the trade the above superior CEMENT, being of uniform color and quality, as Asbestum brand before introduced in Portland Cement, and is made of the best materials, and is superior to all other Cements; it does not crumble, turn green, or crack, combine with oil, or when the concrete is hydraulic, and is the best Portland Cement of the day for work where all the above qualities are requisite. It is manufactured on the only private Portland Cement works in the United States, and is sold by all the firms who have hitherto had the monopoly of the market. It is made by J. GREAVES & Co., at his Works, near the River Arno, and must be all parts of the country by boat or rail, at a reduced price to the

BRICK BEAM at the EXHIBITION
KILLBUCK, Erected by J. R. WHITE and ROSS, MILL
BANK STREET, F. J. Screen and Hamilton of this beam
constructed of steel and timber and supported by a heavy
weight of 65,000 lbs. and 100,000 lbs. to produce
the Jury of Clean F. - How The Builder Sept. 27, No. 431; and
Times and Chronicle, Read. N. Y. - Exhibition Article.

JOHN BAZLEY WHITE and SONS
WILLIAMS-STREET, Westminister.
Manufacture PORTLAND CEMENT of the best quality,
ATKINSON'S CEMENT, made from Walsby stone, supplied
from the Mulwara Estate; and NORMAN CEMENT, made of
Sheppy and Harwich stone.
These cements are all used for external purposes, either for
Brickwork or Masonry.

For internal uses their Manufacture and Sales
KENTON CEMENT
PARHAM CEMENT
FRESH PLASTER
The qualities of which are well known, quick-drying and has
success, that can be put to work within a few days
Warehouses in London at
Millbank Street, Westminster;
South Wharf Road, Paddington;
Earl Street, Manchester; and at

GEORGE and THOMAS EARLE
CEMENT MANUFACTURERS, HULL
Lest and Best cement to any made.
Also Manufacturers of PLASTER, PAINTS, &c.
Importers of MARBLE and PIZZOLANA.
Dealers in Boston, Rhode Island, Whites &c.

PARIAN CEMENT for internal use, to be
PAINTED IN A FEW HOURS AND PAPERED
WITHIN A COUPLE OF DAYS.—CHARLES FRANCIS and
SONS, Patentee, Nine Elms, London.

PERMANENT STUCCO WASH
WITHOUT RISE OR OTHER CORRUPTIBLE
INGREDIENT.

As used at St. George's Hospital, Hyde Park Corner,
JOHN and CO. having effected some important improvements
in the manufacture of this very useful material, confidently offer it
to the notice of the Trade and the Public generally, as possessing
every advantage over the common Lime Wash or Water Glass, and
being perfectly safe, and not liable to be blown out, as the
latter is, by any other—DOES NOT WASH OFF—lasts for
twenty-four hours, and, being a non-absorbent, is admirably
adapted for Railway Stations, Union Workhouses, Barracks,
Schools, Prisons, &c. (one coat will cover 100 square yards)
has stood for years, and MAY BE REPORTED WITH PRIDE.

PAIST CO.'S STUCCO CEMENT.—This cement, from the grand production in price, and its suitability for internal as well as external purposes, places it above all other materials of its kind: it has no elastic qualities; may be painted or papered in a few days; never blisters, cracks, or rusts; never becomes brittle, and is not injured by fire or frost. The merits of the PAIST are well known for its application to stucco work of all kinds, and external work generally. Numerous testimonials, propositions, and every information may be obtained by applying to the Sales Agent, PHILIP H. BROWN, at the Warehouse No. 34, Broad-way, Upper Tenement, second. A liberal allowance to wholesale dealers.

LIME WORKS, WOULDHAM, near ROCHESTER.
THOS. FREEN and CO. beg to inform builders, contractors and others, that they have purchased the LIME WORKS, WOULDHAM, on the site of the old lime kilns, and are now prepared to supply GREY, CHALK, and FLINT LIME, upon very reasonable terms, either by the ton or three tons, or to small quantities from their Works, via. SOUTCANT WARE, REGENT CANAL, KINGSLAND ROAD, London; QUEEN'S WHARF, Great Cambridge-street, LONDON; or by the S.S. KING'S WHARF, NEW WHARF, and BATTLE BRIDGE.

GREAVES'S BLUE LIAS LIME.—The superior manner in which the above is ground renders it cheaper for concrete or stucco than any other lime or cement. The shell lime for mortar is based on an improved principle, and is equally any color. The main body of the lime is made by Engineers, and the Contractors, of the above is the best recommended.

Gilbs, Channing, and Co.'s Blue Vitified Bricks, Pipes, and Tiles, made in Portland.

ROMAN, PORTLAND, FAMILIAR, ANSTON, and LAMBERT'S of the best quality.

JOHN B. F. DUNN, BRICKS, and other Bricks.

CHARLES MICHANSON, a South West, Tadmor.

GREY-STONE LIME.—HALL, Brothers
 Mercurium Lime Works, near Kelmsdale, beg to offer
 Builders' and others a list of their prices for Cash on Delivery.

Grey-Stone Lime	6s. 6d.	per Yard, or 20 Bushels.
White, for Manure	10s. 0d.	ditto
White, Ashes.....	1s. 6d.	ditto
Black, 1/4th	2s. 0d.	ditto
		ditto

In not less than 144 tons quarterly, and run on the Railway for
in goods stations on the London and Brighton, and South-East
Railways, or Hullea connected with them. A fresh supply fed
the kilns daily at the Bricklayers Arms and Croydon Stations, and
delivered to all parts.

Prices for Cash on delivery—2s. per yard at the stations
works; 4s. per yard delivered within five miles; in less than
1-year quantities. Booking 1s. per yard, 1s. 6d. per yard off, if paid
monthly. Collecting charged for. The Quality is warranted to
be of the best, and of the best, near Haggerston, Croydon, or Yaxley
Road, Old Kent Road.

HEAL and SON'S EIDER DOWNS.
 QUILTS are made in three varieties.—The Border Quilt, the Plain Quilt, and the Dove. The 8-barred Quilt is the usual form of bed quilt, and is a most elegant and luxurious article. The Plain Quilt is simpler, and is useful as a coverlet over the bed, or as a wrapper to the outside, or on the couch. The Dove is a loose rug filled with Eider Down, for general use on the continent. Lots of prices and sizes sent free post, on application to **HEAL and SON'S** Bedding Factory, 10, Abchurch Lane, London, E.C. 4.